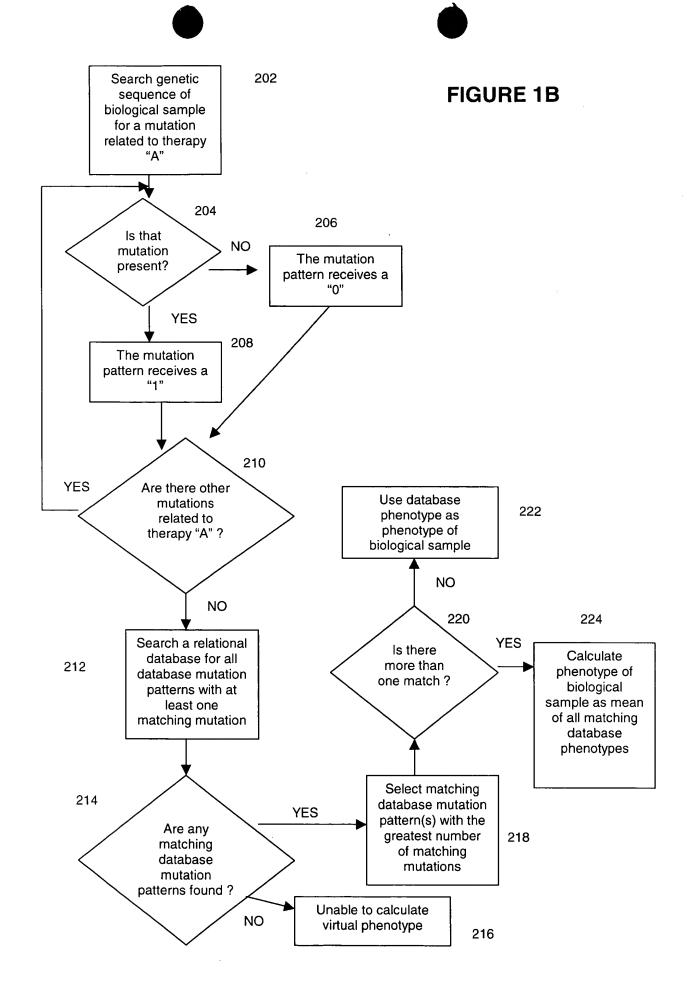


FIGURE 1A



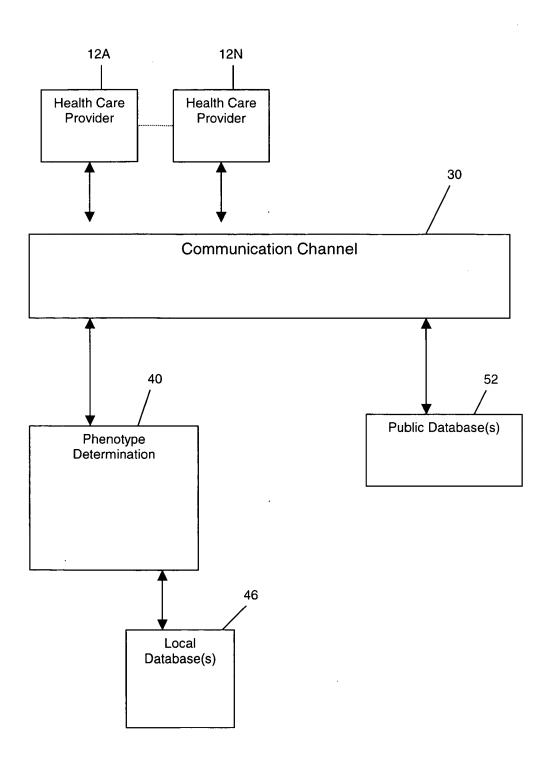
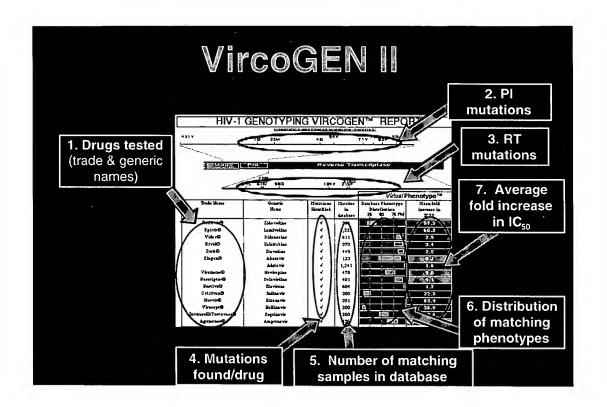


FIGURE 2



### HIV-1 GENOTYPING VIRCOGEN™ REPORT

Pro Reverse Transcriptase

ADD 68N 103N 1810 2180

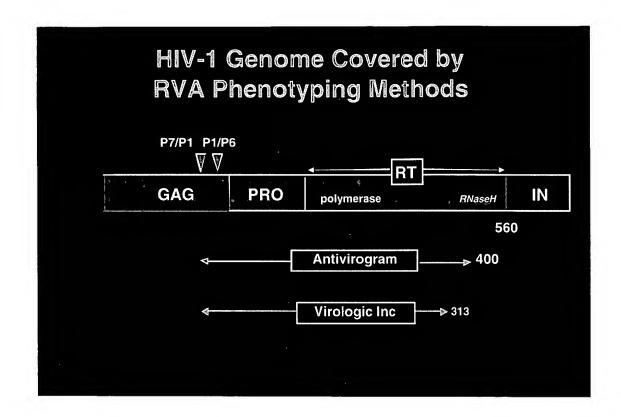
				<i>Virtual</i> Phenotype™	
Trade Name	Generic Name	Mutations Identified	Matches in database	Database Phenotype Distribution 25 50 75 (%)	Mean fold increase in IC50
Retrovir®	Zidovudine	1	132		73.6
Epivir®	Lamivudine	٧ .	874	- FEETS	ن که کان که کان
Videx®	Didanosine	\ √	585		1.8
Hivid®	Zalcitabine	1 1	329		1.5
Zerit@	Stavudine	V	549		3.7
Ziagen®	Abaçavir	1	33		2.3
	Adefovir	V	1,010		2.2
Viramune®.	Nevirapine	. 4	108		138.0
Rescriptor®	Delavirdine	٧	102		162.0
Sustiva®	Bfavirenz	1	97		267.3
Crixivan@	Indinavir	1	303		13.0
Norvir®	Ritonavir	٧	301		15.2
Viracept®	Nelfinavir	V	302		29.5
Invirase@/Fortovase®	Saquinavir	1	301		
A generase®	Amprenavir	1	215		3.1

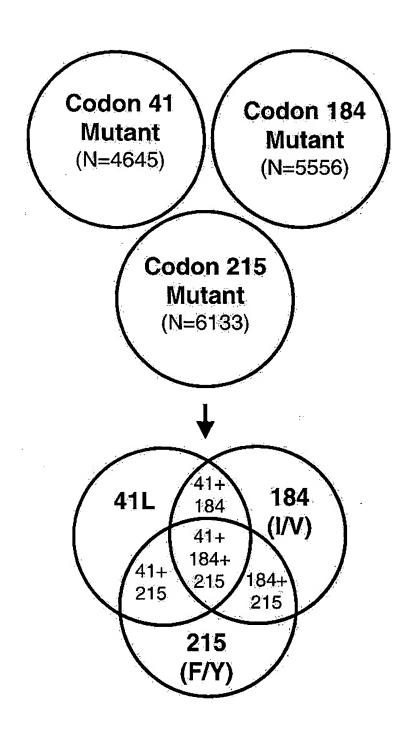
# Virtual & Actual phenotypes

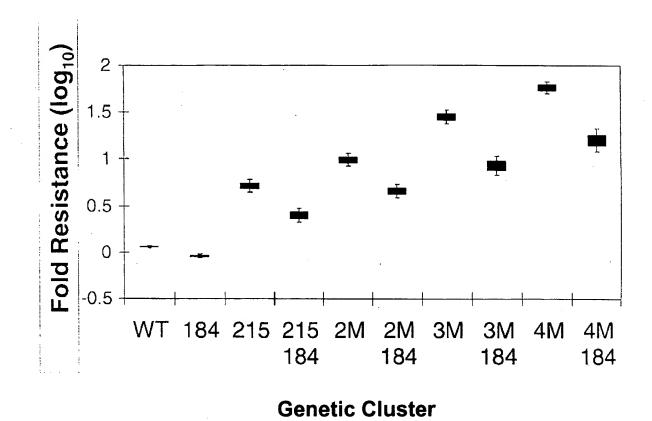
	Matches in Database	Database Pheno spread 25% 50% 75%	Median fold increase in IC50	Actual Phenotype
Indinavir	139	M. M. C.	13x	17x
Ritonavir	139		115x	179x
Nelfinavir	139		17x	63x
Saquinavir	139		30x	32x
Amprenavir	139		5x	7.5x

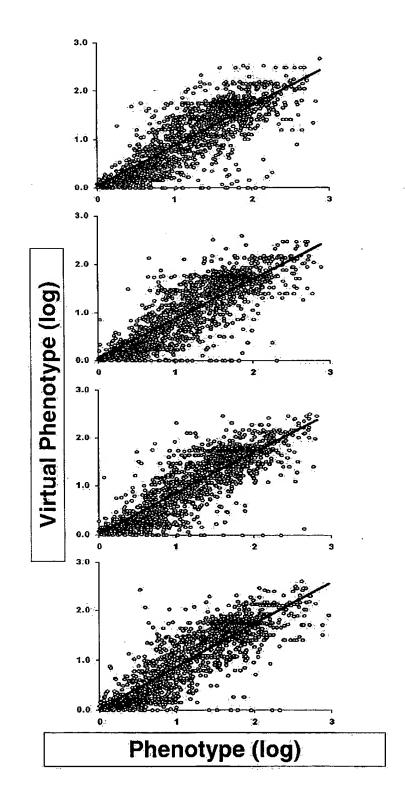
# Overall Concordance

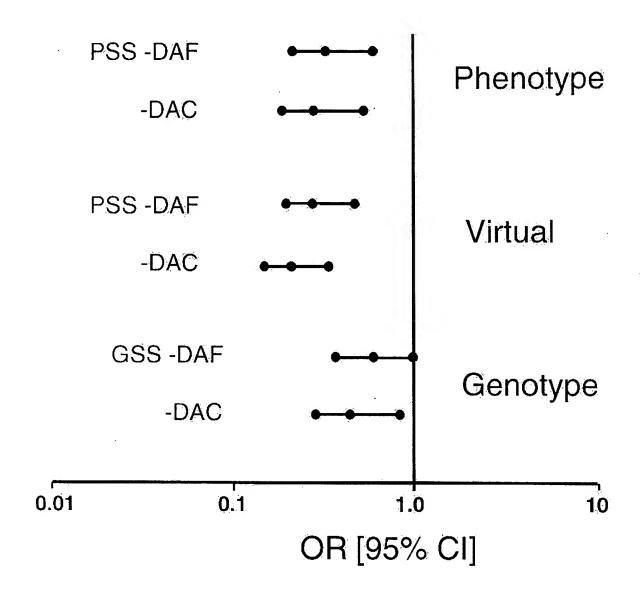
- 10,000 Samples:
  - -Complete concordance: 90 94%
  - -Partial concordance: 6 9%
  - -Discordance: <1%











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